Fig.1

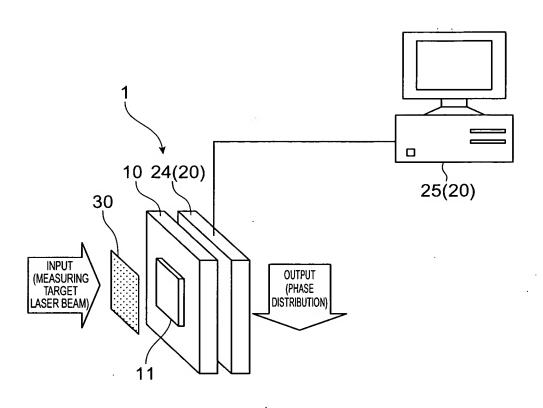
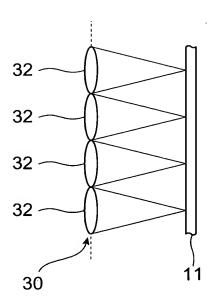


Fig.2



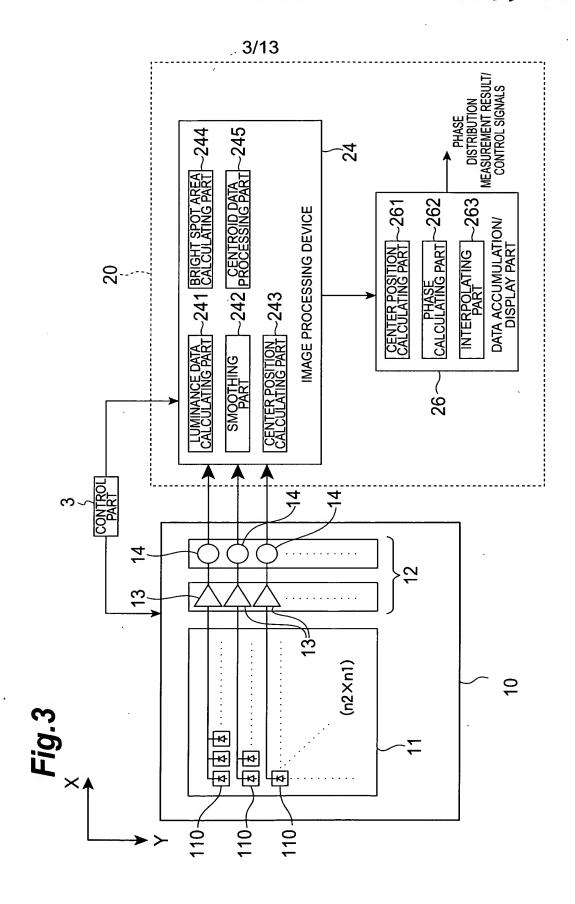


Fig.4

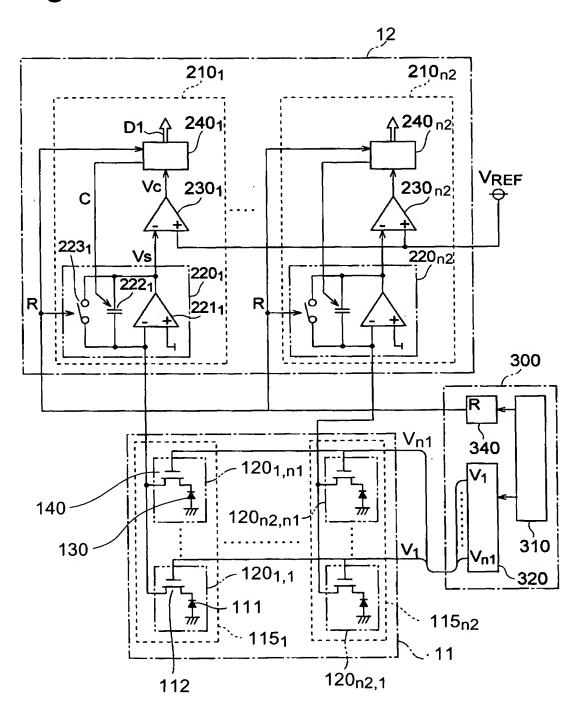
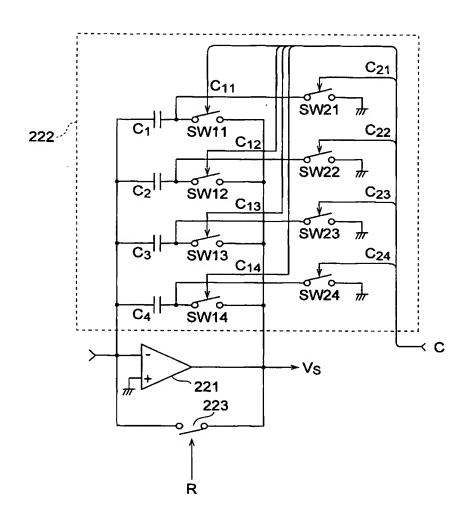


Fig.5



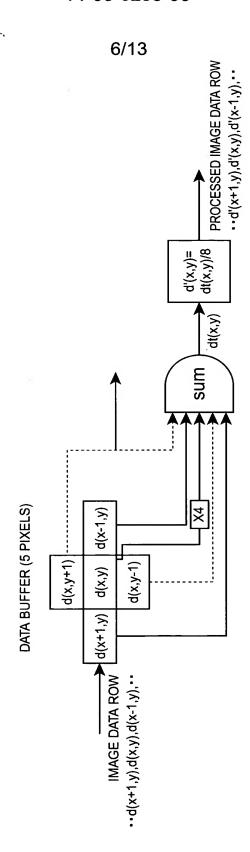


Fig.6

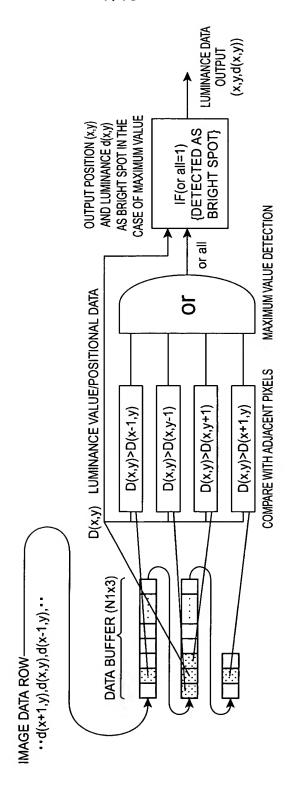


Fig.7

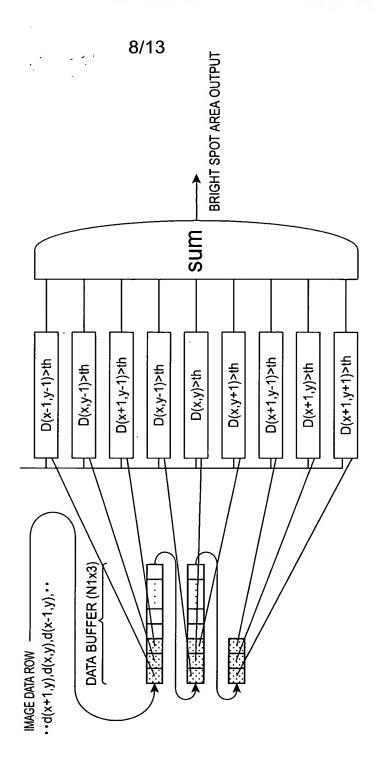


Fig.8

P(n,k){y_sum}

 $\{d(x-1,y+1)+d(x,y+1)+d(x+1,y+1)\}\times(y+1)+$

 $P(n,k){y_sum}=$

 ${d(x-1,y-1)+d(x,y-1)+d(x+1,y-1)}\times (y-1)$

 $\{d(x-1,y)+d(x,y)+d(x+1,y)\}\times(y)+$

CALCULATION OF FIRST-ORDER MOMENT IN Y DIRECTION

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P(n,k){sum}

CENTROID DATA OUTPUT

 $P(n,k)\{x_sum\}$

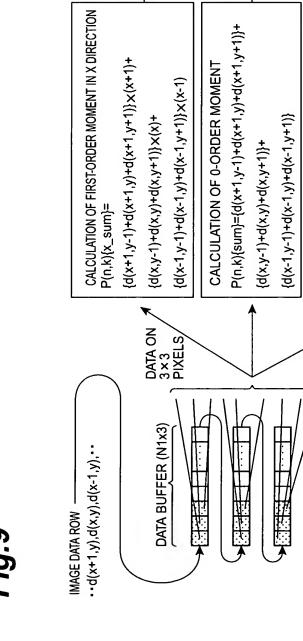


Fig.9

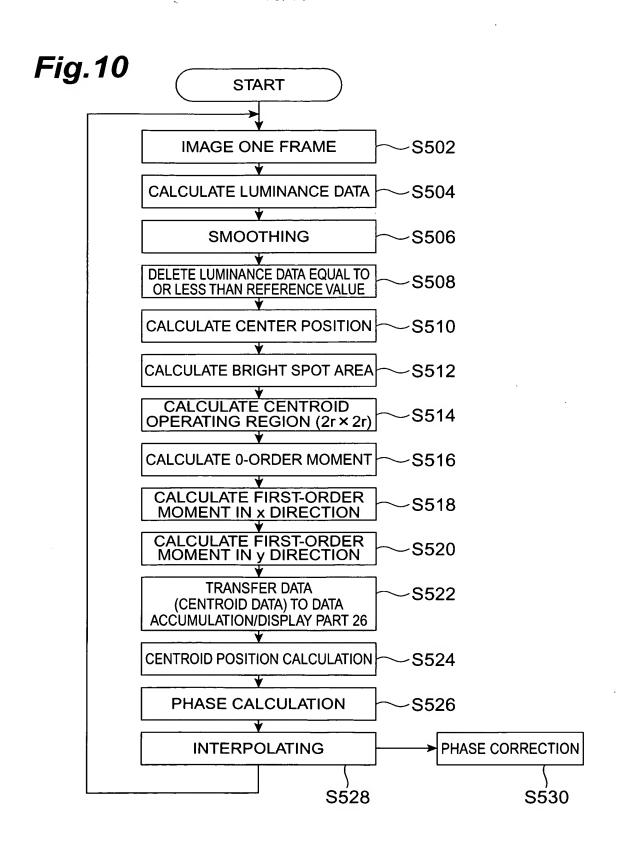


Fig.11A

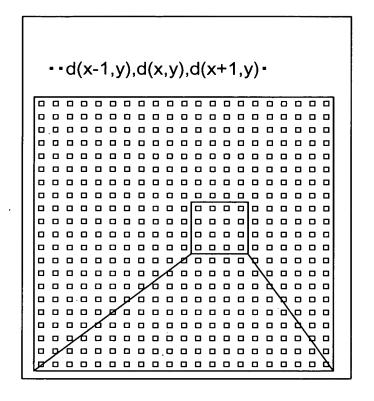


Fig.11B

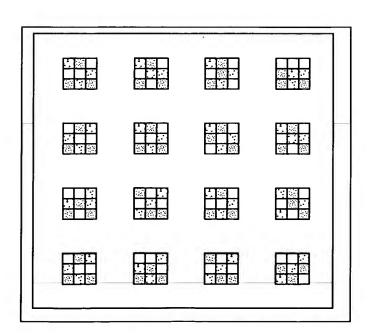


Fig.12

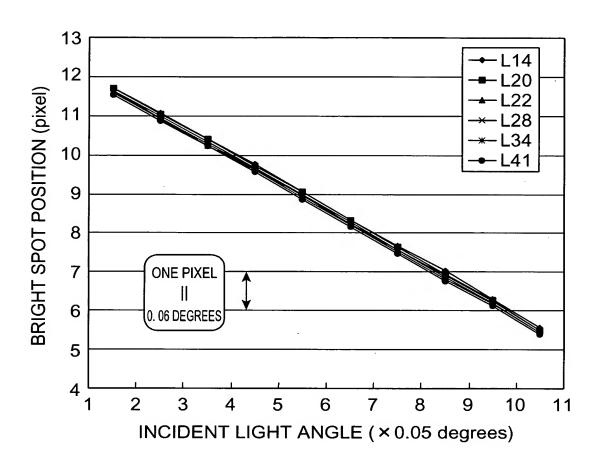


Fig.13

